

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/572,744
Source: IFwp
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IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/572,744

DATE: 03/31/2006
TIME: 12:15:58

Input Set : A:\58951211.APP
Output Set: N:\CRF4\03292006\J572744.raw

3 <110> APPLICANT: J.R. SIMPLOT COMPANY
 4 WEEKS, J. TROY
 5 ROMMENS, CAIUS M.T.
 7 <120> TITLE OF INVENTION: REFINED PLANT TRANSFORMATION
 9 <130> FILE REFERENCE: 058951-0211
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/572,744
 C--> 12 <141> CURRENT FILING DATE: 2006-03-21
 14 <150> PRIOR APPLICATION NUMBER: 10/667,145
 15 <151> PRIOR FILING DATE: 2003-09-22
 17 <160> NUMBER OF SEQ ID NOS: 76
 19 <170> SOFTWARE: PatentIn Ver. 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 780
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Aspergillus sp.
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 29 tttccagtcg atgaccctat ttgttggaaa accatggat atgcaaaggc tgctcttccc 180
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 31 catgggtct taatcaatcg ctcacaggct ctaggaatgg ctatcaccaa gcagaattc 300
 32 ccgaagcaag ccagtgcctt tagcccaagt acctgggcct tgacctgtt gctgcacgac 360
 33 atcggtactt ccgaccacaa cctcgctgca actcgcatgt cctttgatat ctacgggtgt 420
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 35 gctgaggcca tcatccgaca ccaggatctc ggagttcatg ggacgatcac gtatatcgcc 540
 36 cagctcatcc agctggccac catctacgtt aacgtcgaaa ctcaccctta cgtcaaagac 600
 37 tttggcgagt tgatccatgt tacaactcg tcccagggtgc acgaggcgca cccggccgggg 660
 38 gaatggcgca cgttctctc tggcgtcattt cagaaggagc aagcaatcaa gcccgggtgt 720
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 43 <211> LENGTH: 416
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Solanum tuberosum
 47 <400> SEQUENCE: 2
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 49 tggatggccac agaggaggact tataacctac aggggcacgt agttcttaga cttgaaatgt 120
 50 actgaccgtt gtccaaactcg gtataaaagcc tactccaaac taaatataatg aaattttatag 180
 51 cataactgca gatggatcg attcttaggtt aggttcccgat ctcgaattcc ttactcctcc 240
 52 acaaaggccgtt aactgaaggcg acttcttattt ttctcaacactt tggacacttgc cgtatcaagaa 300
 53 tctcaatagg tagttttca taagtggatc tatccttcat agctacactt tctaaaggta 360
 54 cgtatagattt tggatcaacc acacacactt cgtttacatc ggtatataatc ctgcca 416
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 2595

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59 <212> TYPE: DNA
60 <213> ORGANISM: Solanum tuberosum
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65 ttttttaaag tcatgaagta tttatcaat acacatatgg aaaaaattaa ctattcataa 180
66 tttaaaaaat agaaaagata catctagtga aatttaggtgc atgtatcaaa tacatttagga 240
67 aaagggcata tatcttgatc tagataatta acgatttga tttatgtata atttccaaat 300
68 gaaggtttat atctacttca gaaataacaa tatacttta tcagaacatt caacaaagta 360
69 acaaccaact agagtaaaaa atacacattt ttcttacatt atacaaaatt gagaaaaagaa 420
70 tctcaaaatt tagagaaaca aatctgaatt tctagaagaa aaaaataatt atgcacttg 480
71 ctattgctcg aaaaataaaat gaaaagaaatt agactttttt aaaagatgtt agactagata 540
72 tactcaaaag ctatcaaagg agtaatattt ttcttacatt aagtattttt gttacagtcc 600
73 tgtaattaaa gacacatttt agattgtatc taaacttaaa ttttatctaga atacatatat 660
74 ttgaatgcat catatacatg tatccgacac accaattctc ataaaaagcg taatatccta 720
75 aactaattta tccttcaagt caacttaagc ccaatataca ttttcatctc taaaggccca 780
76 agtggcacaa aatgtcaggc ccaattacga agaaaaggc ttgtaaaacc ctaataaaagt 840
77 ggcactggca gagcttacac tcttattcca tcaacaaaga aaccctaaaa gccgcagcgc 900
78 cactgatttc tctcccccag gcbaagatgc agatttcgatc gaagaccctt acggggaaaga 960
79 ccatcaccctt agaggtttag tcttccgaca ccatcgacaa ttgtcaaaagcc aagatccagg 1020
80 acaaggaagg gattccccca gaccagcgc gtttattttt cggccggaaaag cagcttgagg 1080
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89 cggccaaggc cagagttaa cagatgttgc accccgctgc aggccattt attattcaag 1620
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92 ttgacgcaaa tatggaaaggta aatggatgc tcaggagtat ttcatccatg 1800
93 cgcgccaaca ggaacagaaaa ttcccccaag ttaacgcgc cgcttcgcgc ggattcgaag 1860
94 gtcatccgtt cggaaatgtat taggttacgc cagccctgcgc tcgcacccgtt ctcatctgg 1920
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96 gacaatccat cgtgttca aactttatgc ttgtaaacaa gtcttagtt ccacgaaagt 2040
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99 taaatattaa atatagcgt ttatgaaat ataaatacat cattacaatgt ttgttatatt 2220
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101 cggtaattta gagtttttt tgctatatgg attttcgatc ttgtatgtatg tgacaaccct 2340
102 cgggattgtt gatttatttc aaaactaaga gttttgtt attgttctcg tctatatttgg 2400
103 atatcaatct tagtttata tctttctatc ttcttacgt gttaaatgtt caacacacta 2460
104 gcaatttggc tgcagcgtat ggattatgga actatcaatgt ctgtggatc gataaaatatg 2520
105 cttctcaggaa attttagattt ttacagtctt tatgctcatt ggggtttagta taatatagta 2580
106 aaaaaatagg aattc 2595
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 292

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Input Set : A:\58951211.APP
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111 <212> TYPE: DNA
112 <213> ORGANISM: *Saccharomyces cerevisiae*
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116 gaaatttacg aaaagatgga aaagggtcaa atcgttggta gatacgtt tgacacttct 120
117 aaataagcga atttctttagt atttatgatt tttattatta aataagttat aaaaaaaaata 180
118 agtgtataca aattttaaag tgactcttag gttttaaaac gaaaattctt attcttgagt 240
119 aactcttcc tgttaggtcag gttgcttct caggtatagc atgaggtcgc tc 292
122 <210> SEQ ID NO: 5
123 <211> LENGTH: 359
124 <212> TYPE: DNA
125 <213> ORGANISM: *Solanum tuberosum*
127 <400> SEQUENCE: 5
128 ttgattttaa tgtttagcaa atgtcctatc agtttctct ttttgcgaa cggttaattta 60
129 gagtttttt tgctatatgg atttcggtt ttgtatgtatg tgacaaccct cgggattgtt 120
130 gatttatttc aaaactaaga gttttgcgtt attgttctcg tctattttgg atatcaatct 180
131 tagttttata tctttcttag ttctctacgt gttaaatgtt caacacacta gcaatttggc 240
132 tgcagcgtat ggattatgga actatcaagt ctgtggatc gataaaatatg cttctcagga 300
133 atttgagatt ttacagtctt tatgctcatt gggtttagta taatataatgta aaaaaatag 359
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 626
138 <212> TYPE: DNA
139 <213> ORGANISM: *Oryza sativa*
141 <400> SEQUENCE: 6
142 agtattttcg catgaatgtt cttttctct gtcttgca tcagtatct agtgcattgg 60
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144 ttaatgacat gtcacacaca cttctgatac ttttcttct tggctattgt gccagcatga 180
145 tgcaagatgc atcacagcat cagatataatt ctcatcgta ggcttagca gcacacgago 240
146 acgcttgcgctt gcttaaaatgt tgtaacggcgc agcttagaca tccccctgttag aagtataat 300
147 ctttcaactt ttccttaaac aaattgagag gggaaatggaa accatgttggc tcagagaagc 360
148 ttttgcgtt ttacacaaatg atatttggta cagtggttgcgtt cctatgttcg tgggttcgtg 420
149 gcttggctgc ctgtcttcaa ccaagtgttt tcagttcaac atgttagcgt gtagaaagag 480
150 cacaattctg tttatctcca aggtttaaatg tggcattctg ttaaagaaca tgatcctgcc 540
151 aattttttaa gtttcaatgg aagaggaatg taaagcttc tatggtttgt gtacacaaca 600
152 cagtggaaaga ggagtgcag ctttct 626
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 492
157 <212> TYPE: DNA
158 <213> ORGANISM: *Solanum tuberosum*
160 <400> SEQUENCE: 7
161 aaataacaaa tatcaatatg aggtcaataa caatatcaaa ataataatgaa aaaaagagcaa 60
162 tacataatat aagaaaagaag atttaagtgc gattatcaag gtagtattat atcctaattt 120
163 gctaataattt aaactcttattt atttaagggtc atgttcatga taaaacttggaa atgcgtata 180
164 ttagagcata tattaaaata aaaaaatacc taaaataaaa ttaagttatttttagtat 240
165 atttttttac atgacactaca tttttctggg ttttctaaa ggagcgtgtt agtgcgtacc 300
166 tcattctccat aattttcccc accacataaa aattaaaaag gaaaggtagc ttttgcgtgt 360
167 tgttttggta cactacaccc tattattaca cgtgcctca tataattggtaaaccctatg 420
168 aggcggtttc gtcttaggtc ggccatgcctca tctataaaaat gaagcttct gcacccatt 480
169 ttttcatct tc 492

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172 <210> SEQ ID NO: 8
173 <211> LENGTH: 1026
174 <212> TYPE: DNA
175 <213> ORGANISM: Solanum tuberosum
177 <400> SEQUENCE: 8
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179 cccaaattga atagtaagca acttaatgtt tttcataatg ataatgacag acacaaaaaaa 120
180 aacccattta ttattcacat tgattgagtt ttatatgcaa tataatgata ataataatata 180
181 ttcttataaa gcaagaggc aattttttt taatttatacc aacgtcacta aattatattt 240
182 gataatgtaa aacaattcaa ttttacttaa atatcatgaa ataaactatt tttataacca 300
183 aattactaaa ttttccaat aaaaaaaagt cattaagaag acataaaata aatttgagta 360
184 aaaagagtga agtcgactga cttttttttt ttttacata agaaaataaa ttattaactt 420
185 taacctaata aaacactaat ataatttcat ggaatcta atcttacctt tagaaataag 480
186 aaaaagtgtt tctaataagac cctcaattta cattaaatata tttcaatcaa atttaaataa 540
187 caaatatcaa tatgaggtca ataacaatata caaaataata tggaaaaaga gcaatacata 600
188 atataagaaa gaagatttaa gtgcgattat caaggttagt ttatatccta atttgctaata 660
189 atttaaactc ttatatttaa ggtcatgttc atgataaaact tggaaatgcgc tatatttagag 720
190 catatattaa aataaaaaaa tacctaaaat aaaatataat tatttttagt atatattttt 780
191 ttacatgacc tacatttttc tgggttttc taaaggagcg tggtaatgtc gacctcattc 840
192 tcctaatttt ccccaccaca taaaaaattaa aaaggaaagg tagctttgc gtgttgtttt 900
193 ggtacactac acctcattat tacacgtgtc ctcatataat tggtaaccc tattggccgg 960
194 ttctgtctag agtcggccat gccatctata aaatgaagct ttctgcaccc cattttttc 1020
195 atcttc 1026
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199 <211> LENGTH: 253
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
205 promoter nucleotide sequence
207 <400> SEQUENCE: 9
208 gtcgacaaggc aaagggtatg gcaactgtgtt caccgcctt cgctgcgtgt taacggccac 60
209 caaccgcagg tagcaaacgg cgtgcaccc cccgagatct ccacagcgag gtctggcttt 120
210 ttccgccttc cggaaaccg cgggtgttcc agcgtggcggtt atccccctc ccaccaccca 180
211 accgcccataaa ataccagccc ccacccactt ctctttgcata atccatccaa atcccagtcc 240
212 ccaatcgaat tcc 253
215 <210> SEQ ID NO: 10
216 <211> LENGTH: 300
217 <212> TYPE: DNA
218 <213> ORGANISM: Zea mays
220 <400> SEQUENCE: 10
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222 tttagggta atgggtttta tagactaattt ttttttagtac atcttatttttta ttcttattttta 120
223 gcctctaaat taagaaaact aaaactctat ttttagttttt ttatattaaat atttagatata 180
224 aaaatagaat aaaataaaagt gactaaaaat taaacaataa ccctttaaga aataaaaaaa 240
225 actaaggaaa cattttctt gtttcgagta gataatgcca gcctgttaaa cgccgtcgac 300
228 <210> SEQ ID NO: 11
229 <211> LENGTH: 1425
230 <212> TYPE: DNA

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231 <213> ORGANISM: Saccharum officinarum
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235 tactgcagt ttgcgttccc cctctcgacc cctcgatgt ttgtgtttgt cgtacgtttg 120
236 attaggatgt ctccctgt ttgtgttgcgt cgtacgttt gattaggtat gcttccctg 180
237 ttctgttca tcgtatgtt tgattaggcgt gtgtgaggcg atggcctgct cgcttccttc 240
238 gatctgtat cgatttgcgg gtcgtgggtt agatctgcgg gctgtatgtt agttatttgg 300
239 tgcgtatgtc tcgcctgatt ctgcgggtt gctcgatgtt atatggatgg ttggaccgg 360
240 tgggtcgatcc accgcgttag ggttgggtt ggtatgtt gcatgcggc ttgcgcgtga 420
241 tccccgcagca ggacttgcgt ttgattgcca gatctcgta cgattatgtt atttgggtt 480
242 gacttattat atctgtatgt ttcgtttagt ttgcctagatg cgcctactgc tccatatgcc 540
243 tgcgtatgtt ccataaatgg cagtgaaat caactatgtt attgcggatg catgtatcag 600
244 ctacagggtt agggacttgc tacagggtgtt gggacttgcgt ctaattgtt ggtccttaac 660
245 tcatgtgcaatt ttatgcaatt tagtttagt gtttgggttcca atcatctagg ctgtaaaagg 720
246 gacactgggtt agattgtgtt ttaatcttt tagtagatta tattatattt gtaacttattt 780
247 aacccttata catgcataa cgtggattt gctcatgcct gatgataatc atagatcact 840
248 gtggaaattaa ttagttgatt gttgaatcat gtttcatgtt cataccacgg cacaattgtt 900
249 tagttccat acaaatttgcatttactgtt tccatgtatg atttgcgtgg ttctctaattt 960
250 tggaaatacta tagctacttgc ttgtatgttgc tcaatgttgc atgcttaatg ctgtatgtgc 1020
251 ctctgttca tgcctgtatgttataatcatata tcacttgcatttgcataatg atcgatgtt 1080
252 catatatcaatgttgcataatcatata tcacttgcatttgcataatg atcgatgtt 1140
253 ggtccctgttca tggatgttgcataatcatata tcacttgcatttgcataatg atcgatgtt 1200
254 ttttggtaat ggttcttta ttttgcataatcatata tcacttgcatttgcataatg atcgatgtt 1260
255 tggatgttgcataatcatata tcacttgcatttgcataatg atcgatgtt 1320
256 ttttggtaat ggttcttta ttttgcataatcatata tcacttgcatttgcataatg atcgatgtt 1380
257 ctatgttgcatttgcataatcatata tcacttgcatttgcataatg atcgatgtt 1425
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261 <211> LENGTH: 729
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
267 resistance gene sequence
269 <400> SEQUENCE: 12
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271 atctttgggg ataaggctttt catcaacgtt ccaaaaggccc tgcgtatgtt agagatcaag 120
272 ttccatttcg acgtatgttgcgtt cgtcgcaaaatg acgttggattt atgccaaggc tggatgttgcattt 180
273 cctgaaacat tcaatcttc catgcgtatgtt gatgttgcatttgcataatg atcgatgtt 240
274 cagttccctgttcaatgttgcgtt cgcgtatgttgcatttgcataatg atcgatgtt 300
275 catgaccttgcgttcaatgttgcatttgcataatg atcgatgtt 360
276 ggtggcatca aaggccatgttgcatttgcataatg atcgatgtt 420
277 gcaatgttgcatttgcataatg atcgatgtt 480
278 atcgccatgttgcatttgcataatg atcgatgtt 540
279 aaagacttttgcatttgcataatg atcgatgtt 600
280 cgttgcacgtt cttttctgttgcatttgcataatg atcgatgtt 660
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282 gggcgttgcatttgcataatg atcgatgtt 729
285 <210> SEQ ID NO: 13
286 <211> LENGTH: 242

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; N Pos. 16

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0